

STEREO MOC Status Report
Time Period: 2013:042 - 2013:048

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 043, the second connectivity test was conducted with ESA DSS-84 (Malargue, Argentina). The MOC successfully performed SLE Command BINDs with equipment chains 1, 2, and 3. DSN Data Control successfully performed SLE telemetry BINDs with Chains 1, 2, and 3 for VC5, VC6, and VC7.
- On day 043, the STEREO ESA tracks were resumed after an agreement by NASA and ESA. The Ahead ESA tracks start again on Thursday, February 28 (DOY 059), 2013.
- On day 044, during the DSS-26 support, the command bind was lost for 16 minutes beginning at 1652z due to transmitter controller assembly alarms. All command activities were complete, so this anomaly did not cause any impact. See DR# G113692 for more information.
- On day 046, during the DSS-14 track, turbo decoder lock was lost intermittently beginning at 1600z through 1859z. This anomaly resulted in the loss of 367 frames of SSR data. See DR #G113696 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 044, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 1255z for 2.2 hours.
SWAVES (Part 13) reached 100% full at 2335z for 0.4 hours.

The primary cause was the accumulated shortage of track time throughout the week.

- On day 045, the SSR science partitions filled as follows:

SWAVES (Part 13) remained 100% full at 0000z for 15.4 hours.
SWAVES (Part 13) reached 100% full at 2242z for 1.3 hours.
PLASTIC(Part 17) reached 95% full at 1214z for 3.3 hours.
PLASTIC(Part 17) reached 95% full at 2243z for 1.3 hours.

The primary cause was the accumulated shortage of track time throughout the week.

- On day 046, the SSR science partitions filled as follows:

SWAVES (Part 13) remained 100% full at 0000z for 16.6 hours.
SWAVES (Part 13) reached 100% full at 1920z for 0.1 hours.
IMPACT (Part 15) reached 95% full at 1043z for 5.9 hours.
PLASTIC (Part 17) remained 95% full at 0000z for 16.6 hours.
SECCHI (Part 19) reached 100% full at 1030z for 6.1 hours.

The primary cause was the accumulated shortage of track time throughout the week.

- The average daily SSR playback volume for Ahead was 3.9 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 042, during the DSS-14 support, ranging was degraded for the entire track because the Pre-pass range calibration was not performed due to transmitter calibrations errors. Post-pass range calibration was required to correct the ranging. See DR# G113682 for more information.
- On day 043, the second connectivity test was conducted with ESA DSS-84 (Malargue, Argentina). The MOC successfully performed SLE Command BINDs with equipment chains 1, 2, and 3. DSN Data Control successfully performed SLE telemetry BINDs with Chains 1, 2, and 3 for VC5, VC6, and VC7.
- On day 043, the STEREO ESA tracks were resumed after an agreement by NASA and ESA. The Behind ESA tracks start again on Wednesday, February 20 (DOY 051), 2013.

2. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Behind was 3.1 Gbits during this week.